## WHAT IS CLAIMED IS:

1	1. A method of operating a fault tolerant connection in a network,		
2	wherein said network comprises a plurality of network elements and each one of said		
3	network elements is coupled to at least one other of said network elements by at least		
4	one of a plurality of links, comprising:		
5	identifying a first path, wherein said first path is between a first one of said		
6	network elements and a second one of said network elements;		
7	identifying a second path, wherein		
8	said second path is between said first one and said second one of said		
9	network elements, and		
10	said first path and said second path are disjoint;		
11	sending a packet from said first one of said network elements via said first		
12	path;		
13	sending a duplicate packet from said first one of said network elements via		
14	said second path, wherein said duplicate packet is a duplicate of said		
15	packet; and		
16	receiving at least one of said packet and said duplicate packet at said second		
17	one of said network elements.		
1	2. The method of claim 1, further comprising:		
2	discarding one of said packet and said duplicate packet, if both said packet and		
3	said duplicate packet are received at said second one of said network		
4	elements.		
1	3. The method of claim 2, wherein said first path and said second path are		
2	node-disjoint.		
1	4. The method of claim 3, wherein said first path is a shortest node-		
2	disjoint path and said second path is a second-shortest node-disjoint path.		

1	5.	The method of claim 2, wherein said first path and said second path are	
2	link disjoint.		
1	6.	The method of claim 5, wherein said first path is a shortest link-disjoin	
2	path and said second path is a second-shortest link-disjoint path.		
1	7.	The method of claim 1, wherein said first path and said second path	
2	each include ones of said network elements and said links.		
1	8.	A network, wherein said network comprises a plurality of network	
2	elements and each one of said network elements is coupled to at least one other of said		
3	network elements by at least one of a plurality of links, comprising:		
4	a first network element;		
5	a second network element, wherein		
6		said first and said second network elements are ones of said network	
7		elements,	
8		said first and said second network elements are coupled to one another	
9		by a first path and a second path,	
10		said first network element is configured to send a packet via said first	
11		path and send a duplicate packet via said second path,	
12		said duplicate packet is a duplicate of said packet, and	
13		said second network element is configured to receive at least one of	
14		said packet and said duplicate packet.	
1	9.	The network of claim 8, wherein said second network element is	
2	configured to	discard one of said packet and said duplicate packet, if both said packet	
3	and said duplic	cate packet are received at said second one of said network elements.	

The network of claim 9, wherein said first path and said second path

10.

are node-disjoint.

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- 1 11. The network of claim 10, wherein said first path is a shortest node-
- 2 disjoint path and said second path is a second-shortest node-disjoint path.
- 1 12. The network of claim 9, wherein said first path and said second path
- 2 are link disjoint.
- 1 13. The network of claim 12, wherein said first path is a shortest link-
- 2 disjoint path and said second path is a second-shortest link-disjoint path.